

It is claimed:

1. An intelligent text input system for a mobile device, comprising:

a plurality of text input components, each text input component being operable to receive a text input event from an input device;

a text input directing engine operable to receive the text input event from each of the plurality of text input components and translate the text input event into a platform-independent event, the platform-independent event including an index value that represents the text input event; and

a plurality of input methods, each input method being operable to receive the platform-independent event from the text input directing engine and translate the platform-independent event into one or more input method specific characters based on the index value;

wherein the one or more input method specific characters is displayed on a graphical user interface by one of the text input components.

2. The system of claim 1, wherein the text input directing engine associates an active input method with one or more text input component.

3. The system of claim 2, wherein the text input directing engine directs the platform-independent event to the active input method.

4. The system of claim 1, wherein the platform-independent event includes event data indicating the state of the input device.

5. The system of claim 1, wherein the platform-independent event includes event data indicating the time at which the text input event was received from the input device.
6. The system of claim 1, wherein the platform-independent event includes event data indicating the number of consecutive occurrences of the text input event.
7. The system of claim 1, wherein each input method translates the platform-independent event into one or more input specific characters of a different language.
8. The system of claim 1, wherein at least one input method applies an input logic function to predict a complete word or phrase from the one or more input method specific characters.
9. The system of claim 8, wherein the one input method accesses a word list associated with one or more of the text input components to predict the complete word or phrase.
10. The system of claim 1, wherein the input device is a telephone-style keypad.
11. The system of claim 1, wherein the input device is a miniature keyboard.
12. The system of claim 1, wherein the input device is a virtual keyboard on a touch screen user interface.
13. The system of claim 1, further comprising:

a loading and unloading mechanism operable to remove one or more of the input methods from the mobile device and add one or more additional input methods to the mobile device.

14. A method of processing a text input event in a mobile device, comprising:

receiving a text input event from an input device;

translating the text input event into a platform-independent event that includes an index value that represents the text input event;

directing the platform-independent event to an active input method selected from a plurality of input methods;

translating the platform-independent event into one or more input method specific characters based on the index value; and

displaying the one or more input method specific characters on a graphical user interface.

15. The method of claim 14, further comprising:

predicting a complete word or phrase from the one or more input method specific characters.

16. A mobile device including an input device, a graphical user interface, and an intelligent text input system, comprising:

a plurality of text input components, each text input component being operable to receive a text input event from the input device;

means for translating the text input event into a platform-independent event, the platform-independent event including an index value that represents the text input event;

means for directing the platform-independent event to an active input method selected from a plurality of input methods;

the plurality of input methods being operable to translate the platform-independent event into one or more input method specific characters; and

means for displaying the one or more input method specific characters on the graphical user interface.

17. The mobile device of claim 16, further comprising:

means for predicting a complete word or phrase from the one or more input method specific characters.